

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	7	MIMO and pilot adj channel same data adj channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:03
L3	19	MIMO and pilot adj channel and data adj channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:26
L4	35	MIMO and pilot near3 channel same data near3 channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:06
L5	16	MIMO and pilot adj3 channel same data adj3 channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:05
L6	2	MIMO and cpich adj channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:06
L7	16	MIMO and pilot adj3 channel same data adj3 channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:08
L8	114	pilot adj symbol\$3 with (separate or different) with (channel\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:27
L9	4	pilot adj symbol\$3 with (separate or different) with (channel\$3) and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:28
L10	0	pilot adj3 data adj3 symbol\$3 with (separate or different) with (channel\$3) and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:28
L11	0	pilot adj3 data adj3 symbol\$3 same (separate or different) with (channel\$3) and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:29
L12	150	pilot with channel same data with channel and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:29
L13	127	pilot with channel with data with channel and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:29

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L14	1115	pilot adj4 channel with data adj3 channel and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:30
L15	14	pilot adj4 channel with data adj3 channel and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:31
L16	373	transmit\$4 with pilot with (separate or different) with channel\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:31
L17	10	transmit\$4 with pilot with (separate or different) with channel\$3 and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:47
L18	20	("20040180627") or ("20040192215") or ("20040224636") or ("20040259504") or ("20050113041") or ("20040085890") or ("20040033791") or ("20030147343") or ("20030139139") or ("2004007624") or ("20050026566") or ("20050025223") or ("20040083082") or ("20030012264") or ("20030026345") or ("2003002568") or ("20020149496") or ("20030016640") or ("20020018529") or ("6831943").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:48
S1	2621	(plurality or multiple) with (antenna\$4) with receiv\$3 with transmitter	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 10:07
S2	6517	(plurality or multiple) with (antenna\$4) with receiv\$3 with transm\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 14:40
S3	2	(plurality or multiple) with (antenna\$4) with receiv\$3 with transm\$5 and (conjugate adj transpose) with (multip\$4) with channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 14:56

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S4	4	(plurality or multiple) with (antenna\$4) with receiv\$3 with transm\$5 and (conjugate adj transpose) with channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:00
S5	1104	MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:00
S6	1430	MIMO or multi adj1 input adj multi adj1 output	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:01
S7	1	(MIMO or multi adj1 input adj multi adj1 output) and (multip\$3) with (conjugate adj transpose) with channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:03
S8	1	(MIMO or multi adj1 input adj multi adj1 output) and (multip\$3) with (conjugate adj transpose) same channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:04
S9	2	(multip\$3) with (conjugate adj transpose) same channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:04
S10	2	(multip\$3) with (conjugate adj transpose) with channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:06
S11	4	(multip\$3) with (conjugate) with matrix with channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:07
S12	4	(multip\$3) with (conjugat\$3) with matrix with channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:13
S14	1	("20030063700").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:17
S15	1	("20030026372").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:29
S16	6	eigenmode adj system	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:33

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S17	0	channel adj estimate with (select\$3) with linear near4 matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:33
S18	0	channel adj estimate same (select\$3) with linear near4 matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:34
S19	22866	channel adj estimate amd (select\$3) with linear near4 matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 17:34
S20	4	channel adj estimate and (select\$3) with linear near4 matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:11
S21	8	channel adj estimate and (select\$3) with linear with matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:15
S22	1	("20020196842").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:20
S23	1	S22 and linear adj basis adj transformation	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:22
S24	2	linear adj basis adj transformation	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:28
S25	516251	linear adj transformation matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:28
S26	150120	linear adj transformation matrix with channel estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:28
S27	0	linear adj transformation adj matrix with channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:28
S28	67	linear adj transformation adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:28

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S29	10	linear adj transformation adj matrix same channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:28
S30	4	linear adj transformation adj matrix with channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:30
S31	0	linear adj transformation adj matrix with (estimate\$3 or calculate\$3) with (channel) near3 (noise or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:30
S32	1	linear adj transformation adj matrix with (estimate\$3 or calculate\$3) with (noise or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/01 18:30
S33	157	select\$3 with linear adj3 transformation	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 10:08
S34	120	select\$3 with linear adj3 matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 10:08
S35	129	select\$3 with linear adj3 matri\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 10:08
S36	4	select\$3 with linear adj3 matri\$4 and remov\$3 with interference	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 10:08
S37	7	select\$3 with linear adj3 matri\$4 and remov\$3 with (interference or noise)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 10:53
S38	4	select\$3 with linear adj3 matri\$4 and (MMSE)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 10:53
S39	5	select\$3 with linear adj3 matri\$4 and (MMSE or minimum adj mean adj square adj error)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 13:29
S40	3	linear adj transformation adj matrix same linear adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 10:55

S41	4	select\$3 with (linear adj transformation or linear adj map or linear adj operator) and (MMSE or minimum adj mean adj square adj error)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 13:42
S42	149	select\$3 with (linear adj transformation or linear adj map or linear adj operator)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 13:30
S43	4	("6157612") or ("5657325") or ("0572171").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 13:43
S44	1	("20020196842").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 15:06
S45	149	S44 and spaced adj time adj block	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 15:06
S46	0	S44 and spaced adj time adj block	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 15:07
S47	1	S44 and transmit adj antenna adj diversity adj decoder	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 15:07
S48	1	S44 and space adj time adj block	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 15:07
S49	1	("5323322").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 15:43
S50	1	S49 and linear adj transformation	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:09
S51	536	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:10
S52	20	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2) and remov\$3 with interference	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:16

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S53	4	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2 adj3 matrix) and remov\$3 with interference	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:16
S54	4	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2 adj3 matri\$3) and remov\$3 with interference	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:53
S55	1	("20020145538").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:24
S56	1	("6698269").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:30
S57	1	("4410924").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:36
S58	1	("6017773").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:37
S59	1	("20050018300").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:37
S60	0	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2 adj3 matri\$3) with channel adj estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:53
S61	15	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2 adj3 matri\$3) with channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:54
S62	0	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2 adj3 matri\$3) with channel adj (estimate or error)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:54
S63	0	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2 adj3 matri\$3) with channel adj (estimate or error or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:54
S64	0	(select\$3 or choos\$3) with (linear adj transformation or eigenvector\$2 adj3 matri\$3) same channel adj (estimate or error or interference)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:54

S65	3	signal adj1 interference adj1 noise with matrix with (stream\$1 or signal\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:58
S66	0	(select\$3 or choos\$3) with (linear adj2 transformation) with signal adj interference adj noise	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:59
S67	1	(select\$3 or choos\$3) with (linear adj2 transformation) with signal adj2 interference adj2 noise	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 16:59
S68	1	(select\$3 or choos\$3) with (linear adj2 transformation) same signal adj2 interference adj2 noise	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:00
S69	4	(select\$3 or choos\$3) with (linear adj2 transformation) and signal adj2 interference adj2 noise	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:01
S70	10	signal adj2 interference adj2 noise with channel near4 estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:02
S71	1	(select\$3 or choos\$3) with (linear adj2 transformation) with (channel near4 estimate)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:03
S72	2	(select\$3 or choos\$3) with (linear adj2 transformation) same (channel near4 estimate)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:04
S73	1	remov\$3 with interference with (minimum adj mean adj square adj error or MMSE) with zero adj forc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:05
S74	14	remov\$3 with interference with (minimum adj mean adj square adj error or MMSE)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:08
S75	1	("20020196842").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:09
S76	1	S75 and (zero adj forc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:11

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S77	1	S75 and (iterative adj2 linear)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:12
S78	4	remov\$3 with (interference or noise) with (linear) with (iterative)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:14
S79	34	remov\$3 with (interference or noise) with (maximum adj1 likelihood)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:20
S80	0	remov\$3 with (interference or noise) with (iterative) with (zero adj forc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:14
S81	3284	zero adj forc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:15
S82	87	zero adj forc\$3 with interference	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:15
S83	5	zero adj forc\$3 with interference with remov\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:16
S84	0	iterative with zero adj forc\$3 with interference with remov\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:16
S85	8	iterative with zero adj forc\$3 with interference	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:17
S86	3	linear adj3 transformation with (feedback) with (transmitter)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:22
S87	16	linear adj3 transformation with (transmitter) with receiver	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:33
S88	1	(identification or id) with linear adj3 transformation with (transmitter) with receiver	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:39

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S89	108	MIMO and feedback with receiver with transmitter	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 17:39
S90	10	MIMO and feedback with receiver with transmitter and linear adj3 transformation	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:04
S91	0	matrix with finite with linear adj3 transformation with permutalton	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:04
S92	0	finite with linear adj3 transformation with permutalton with identity adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:05
S93	0	finite with linear adj3 transformation with permutalton same identity adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:05
S94	0	finite with linear adj3 transformation with permutation same identity adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:05
S95	1	linear adj3 transformation with permutation same identity adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:06
S96	1	linear adj3 transformation same permutation same identity adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:06
S97	818	estimat\$3 with channel with pilot adj symbol\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:07
S98	99	estimat\$3 with channel with pilot adj symbol\$3 and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:07
S99	1	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with (minimum adj mean adj square adj error or MMSE) with (maximum adj likelihood) with zero adj forc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:08
S100	3	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with (minimum adj mean adj square adj error or MMSE) with (maximum adj likelihood)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:09

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S101	3	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with (minimum adj mean adj square adj error or MMSE) same (maximum adj likelihood)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:09
S102	0	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with interference with (cancel\$5 or detect\$4) with (minimum adj mean adj square adj error or MMSE) same (maximum adj likelihood)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:10
S103	0	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with interference with (cancel\$5 or detect\$4) with (minimum adj mean adj square adj error or MMSE) same (maximum adj likelihood)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:10
S104	0	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and interference with (cancel\$5 or detect\$4) with (minimum adj mean adj square adj error or MMSE) same (maximum adj likelihood)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:10
S105	20	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with (QAM or quadrature adj amplitude adj modulation)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:11
S106	15	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with (QAM or quadrature adj amplitude adj modulation) with (PSK)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:11
S107	15	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with (QAM or quadrature adj amplitude adj modulation) with (PSK)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:11
S108	3	estimat\$3 with channel with pilot adj symbol\$3 and MIMO and select\$3 with (QAM or quadrature adj amplitude adj modulation) with (BPSK) (with QPSK)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:12
S109	5	estimat\$3 with channel with pilot adj symbol\$3 and select\$3 with (QAM or quadrature adj amplitude adj modulation) with (BPSK) (with QPSK)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:13

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S110	5	estimat\$3 with channel with pilot adj symbol\$3 and (plurality or multiple) with transmit\$4 with (plurality or multiple) with (receiv\$4) with less	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:15
S111	3	estimat\$3 with channel with pilot adj symbol\$3 and (plurality or multiple) with transmit\$4 with (plurality or multiple) with (receiv\$4) with less with number	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:16
S112	316	(plurality or multiple) with transmit\$4 with (plurality or multiple) with (receiv\$4) with less with number	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:15
S113	63	MIMO and antenna\$3 with less with number	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:16
S114	4	MIMO and antenna\$3 with less with number with receiver\$3 with transmitter\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:16
S115	23	MIMO and space adj time adj4 decoder	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:21
S116	3	MIMO and space adj time adj4 decoder with linear adj4 transformation	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:22
S117	0	MIMO and space adj time adj4 decoder with conjugate adj transpose with channel near3 estimate	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:22
S118	0	MIMO and space adj time adj4 decoder with conjugate adj transpose with channel near3 estimat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:22
S119	8	MIMO and space adj time adj4 decoder with channel near3 estimat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:24
S120	2	MIMO and CDMA with TDMA with despread\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:25
S121	14	MIMO and CDMA with despread\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:25

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S12 2	10	MIMO and CDMA with despread\$3 and TDMA	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:26
S12 3	3	MIMO and CDMA with despread\$3 same TDMA	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:25
S12 4	14	MIMO and CDMA with despread\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:27
S12 5	3	MIMO and TDMA with despread\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/02 18:26
S12 6	216	TDMA and MIMO	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/03 09:30
S12 7	193	TDMA and MIMO and CDMA	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/03 09:32
S12 8	122	TDMA and MIMO and CDMA and (plurality or multiple) with (receiver\$3 and transmitter\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/03 09:33
S12 9	98	MIMO and train\$3 adj sequence	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 09:25
S13 0	64	MIMO and train\$3 adj sequence with channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 09:26
S13 1	0	MIMO and train\$3 adj sequence with channel and encod\$3 and interleav\$3 and serial with parallel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 09:26
S13 2	26	MIMO and train\$3 adj sequence with channel and encod\$3 and interleav\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 09:30
S13 3	101	MIMO and predetermin\$3 with channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 09:31

S13 4	53	MIMO and predetermin\$3 with channel with transmit\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 10:54
S13 5	28	MIMO and pilot adj symbol\$3 with channel same data adj symbol\$3 with channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/06/07 12:03